

## CLAIMS

What is claimed is:

1. A device comprising a coherent or incoherent light source which emits light through and around a sample material, a differential calibrator, and analysis components.
2. The device of claim 1 performs this optical analysis by indirectly screening for the binding affinity of compounds\materials without interrupting or perturbing the electromagnetic field of the sample being analyzed.
3. The device of claim 1 produces the data of affinity derived instantaneously, unlike all other methods currently used.
4. The device of claim 1 upon analyzing organic compounds in the form of proteins and or DNA the data derived can be used in determining Target Receptors for Biotechnology or Pharmaceutical Drugs.
5. The device of claim 1 produces data that can also be used to pre-screen entire protein libraries greatly reducing the time of protein and or DNA binding affinity informatics.